

MONTEREY COUNTY



DEPARTMENT OF HEALTH Ray Bullick, Director

ANIMAL SERVICES
BEHAVIORAL HEALTH
CLINIC SERVICES

EMERGENCY MEDICAL SERVICES
ENVIRONMENTAL HEALTH

PUBLIC HEALTH
PUBLIC ADMINISTRATOR/PUBLIC GUARDIAN

October 11, 2016

BLACKIE RD WS #5
ATTN: SUSAN SHAW
9820 ROLLING MEADOWS
SALINAS CA 93907

CITATION LETTER 16-012
Blackie RD WS #05, I. D. No. 2700837

Coliform Bacteria MCL Violation for June 2016
And Follow Up Sampling Violation
Community Water System

Dear Susan Shaw,

Section 116650, Chapter 4 of Part 12 of the California Health and Safety Code (H & S Code) authorizes the issuance of a citation for failure to comply with a requirement of Chapter 4 (California Safe Drinking Water Act), or any regulation, standard permit, or order issued thereunder. The Department of Health of Monterey County, Environmental Health Bureau (hereinafter EHB hereby issues this citation to the Blackie Rd WS #5, (hereinafter Water System) for the following violation:

1. The Water System was in violation of the Total Coliform Maximum Contaminant Level (MCL) set forth in Section 64426.1(b)(2), Title 22, CCR for the month of June 2016. The MCL was exceeded since two or more samples were total coliform positive in the same month.
2. The Water System was in violation of the Repeat Sampling Requirements set forth in Section 64424(2)(d) which states that if a Public Water System for which fewer than five routine samples/month are collected has one or more total coliform-positive samples, the water supplier shall collect at least five routine samples the following month. Blackie RD WS # 5 collected four follow-up samples instead of the required five samples, with one of the five samples being collected at the source.

History

1. The routine bacteriological sample collected on June 27, 2016 tested positive for Total Coliform bacteria. The Water System did contact the EHB by email on July 2, 2016 and did collect the required four repeat samples; however three of the four repeat samples collected tested positive for total coliform bacteria and therefore, the Water System was in violation of the Total Coliform MCL.

On July 17, 2016 the Water System collected only four of the five required follow-up samples. Per the Sampling Site Plan submitted by the water system, one of the follow up sampling sites for the month after a Total Coliform Positive is to be collected at the source. Please refer to the attached Sampling Site Plan for Blackie RD WS # 5. Chlorine residuals were reported with the repeat and follow-up samples. The Water System did complete the Total Coliform Investigation Form to document actions taken during the investigation, and did notify users to be on a boil order or to use bottled water. In addition, the four follow up samples collected on July 17, 2016 were absent for total coliform as well as the routine August 29, 2016 sample.

Directives

Pursuant to Section 116655 of the Health and Safety Code (H&S), the EHB hereby orders the water system to do the following to ensure the water supplied by the Blackie RD WS #5 shall at all times be pure, wholesome, potable, and healthful:

1. The Respondent must continue to comply with all sampling requirements, reporting, and notification requirements applicable to the system. Please see the attached monitoring guidelines and following website for assistance in determining sampling and reporting requirements.
http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Lawbook.shtml
2. The Respondent must follow the Water System's Sample Site Plan. Please refer to attached SSP for your water system.

The EHB reserves the right to make such modifications to this Citation as it may deem necessary to protect public health and safety. Such modifications may be issued as amendments to this Citation and shall be effective upon issuance.

All submittals required by this order shall be addressed to: drinking_water_program@co.monterey.ca.us or

Environmental Health Bureau
1270 Natividad Road
Salinas, CA 93906

Subparts (c) and (e) (1) of Section 116650 of the H & S Code allow for the assessment of a civil penalty for failure to comply with the requirements in any citation issued by the EHB for the violation of any primary drinking water standard. In the event the Water System fails to comply with directives 1 of this citation within the time period specified, a citation shall be issued seeking civil penalties in an amount not to exceed one thousand dollars (\$1000) per day for each day the violation continues beyond the date specified for correction in the citation. If the Water System fails to perform any of the directives specified in this citation by the times described herein, the Water System shall be deemed to have not complied and may be subject to additional action, including bringing an action in the Superior Court for an order requiring the Water System to achieve compliance, including the appointment of a competent person who shall take charge of and operate the system as specified in the H & S Code, Section 116665.

Please note that 116577 of the California H & S Code state that each public water system shall reimburse the department for actual costs incurred by the department for preparing, issuing, and monitoring compliance with, an order or a citation or for preparing and issuing public notification. Therefore, any further MCL violations or a failure to comply with sampling, reporting, and notification requirements could result in additional enforcement action against the water system, which may be billed at the EHBs' current hourly rate. If you have any questions, please contact me at (831) 755-4076 or pontiusk@co.monterey.ca.us.

Sincerely,

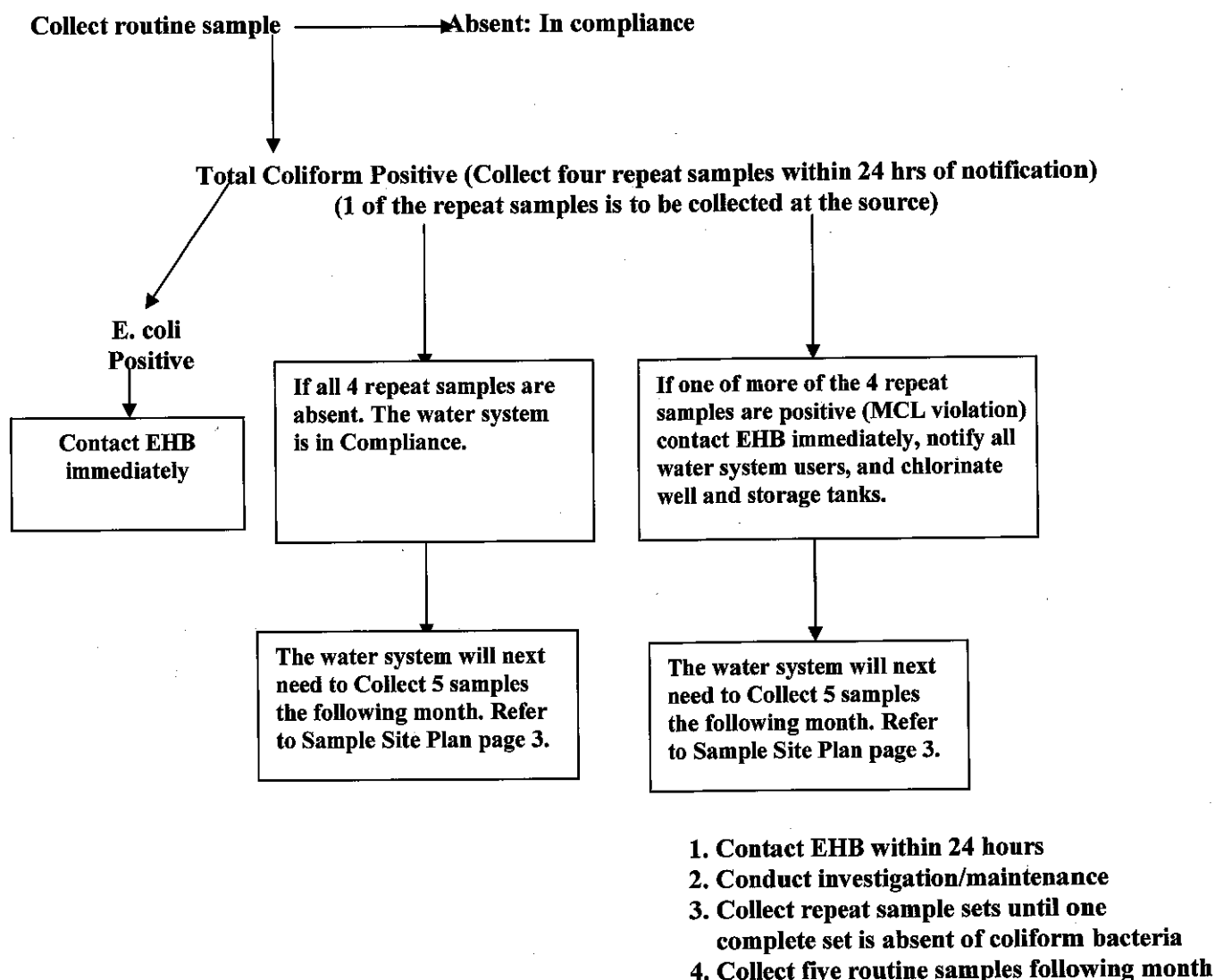


Karen Pontius
Environmental Health Specialist

encl: Bacteriological monitoring guidelines, Sampling Site Plan.

**Monterey County Health Department, Environmental Health Bureau
Bacteriological Monitoring Requirements**

Flow Chart



DETAILS (See Title 22, California Code of Regulations)

Sampling Frequency-Routine Samples (section 64423)

Community and Nontransient-Noncommunity water system - minimum of one sample per month

Transient-Noncommunity water system – groundwater-minimum of one sample per quarter, except one sample per month in which 1,000 or more persons can be served by the water system

Transient-Noncommunity water system – surface water-minimum of one sample per month

If any samples are E.coli positive, the water system must notify EHB immediately.

Repeat Sampling Requirements – Required when Routine Sample is total coliform positive

The water system must require the laboratory to notify the system within 24 hours whenever any coliforms are present in a sample. A repeat sample set must be collected by the system within 24 hours of notification. This set must consist of at least four samples for each total coliform-positive sample and be collected in accordance with an approved sample siting plan.

Generally, repeat samples shall be collected from:

- the site of the original positive (required),
- the well,
- the storage tank(s),
- another point in the distribution system within 5 service connections of the original positive
- Groundwater systems must sample each source-sample may count towards 1 repeat sample
- If well is E. coli/fecal positive, contact EHB within 24 hrs for New Groundwater rule guidance

This collection scheme is designed to identify the origin of the contamination. Systems with multiple wells and tanks may sample within 5 service connections upstream and downstream of the original positive or from combined well and tank taps, if available.

The samples shall be collected prior to disinfection of the water system and the water system shall be inspected by the water system during the sampling to identify any potential causes of the original positive sample. Chlorine residual readings shall be analyzed and reported for all repeat samples.

Maximum Contaminant Level Exceedence (MCL) (64426.1)

If one or more samples in the repeat sample set are total coliform-positive, the water system has exceeded the MCL for coliform bacteria and must notify this office within 24 hours. The system must investigate the cause of the positive samples and continue to collect a set of repeat samples until one set has no coliform positive samples. The system must also submit a report of findings including the following (64426):

- Current operating procedures that are or could potentially be related to the increase in bacterial count, such as main repairs or well work conducted without disinfection,
- System pressure loss to less than 5 psi,
- Potential cross connections,
- Physical evidence indicating bacteriological contamination of facilities (such as openings in the well casing, storage tank or evidence of animal activity in the vicinity of the well),
- Analytical results of any additional investigative samples collected, including well samples,
- residents' illness suspected of being waterborne.
- Records of the investigation and any action taken.

Follow-up Sampling

The water system must collect five routine samples the month following any total coliform sample (64424). May be waived if the Department conducts a site visit and determines why the sample(s) were positive and established that the problem has been corrected.

Additional Sampling Requirements

Samples for bacteriological testing must also be collected whenever either of the following conditions apply:

- loss of water pressure below 5 psig within the distribution system
- Upon completion of construction, installation, or repair of wells, water mains, or storage facilities.

Samples are to be collected in accordance with an approved Sample Siting Plan (SSP). The sample must be tested by a laboratory certified by the State of California. The water system must direct the laboratory to submit copies of all required bacteriological monitoring directly to this office by the tenth day of the following month.

Collecting Bacteriological Water Samples

Collect samples at cold water faucets that are free of contaminating devices such as screens, aeration devices, hoses, point-of-use devices, or swiveled faucets. To prevent contamination, do not obtain samples from taps that leak around the valve stem and allow water to flow over the outside of the tap. Faucets must be high enough to put the bottle underneath without contacting the mouth of the container with the faucet.

Taking the sample:

1. Open the faucet and thoroughly flush the line for at least two to five minutes. The longer the water runs the better the chance of flushing out bacteria that may be in the building plumbing.
2. Reduce the flow until the water leaving the tap has a continuous, gentle flow without any turbulence.
3. Sterile containers provided by your laboratory must be used. Do not rinse the bottle prior to taking the sample. The powder in the bottle is sodium thiosulfate which inactivates any chlorine-based disinfectant. Be sure this substance stays in the bottle.
4. Remove the cap from the sample bottle and keep it in your hand facing down. Do not touch the inside of the cap or the bottle's inner surface as these actions can contaminate the sample.
5. Carefully place the sample bottle under the running water. Fill the bottle just to the fill-line; do not overfill the sample bottle or allow the water to splash.
6. Quickly replace the cap on the bottle and label the sample clearly. If samples cannot be delivered to the lab immediately, place samples in a cooler with cold packs. If ice is used, at no time should the sample container be immersed or submerged in the ice or melted ice water. The sample must be delivered to the laboratory within 24 hours from the time of collection.

BACTERIOLOGICAL SAMPLE SITING PLAN

JAN 14 2015

A. THE PLAN

System Information:

Name of Water System: Blackie Rd. WS #5 System Number: 270-0837

Street Address: well site @ 9825 Rolling Meadows Ln. Ph. No.: 663-2193

Mailing Address: 9800 Rolling Meadows Ln., Salinas, 93907 email: mlynnel@razzolink.com

Service Connections: 16 Population Served: 53 Sampling Frequency: monthly

Treatment: Yes ☐ No ☒ If Yes, Type: N/A

Chlorinate: Yes ☐ No ☒ If Yes, water system must monitor and report bacteriological results of raw water on a monthly basis.

Sample Collection:

All water samples will be collected by: Michael A. Elliott, DI Dist. Op. Michael Elliott
DI OP.

All water samples will be analyzed by (name of Laboratory): Monterey County Health Dept. Lab

State Lab Code: 1395 Phone #: 831-755-4516 Fax #: 831-755-4652

NOTE: Please provide name of water system and system number to laboratory to properly credit the water system for monitoring and reporting. Proper identification will be used to notify the system when a routine or repeat sample is positive for bacteria.

Notification Information:

The laboratory is to be instructed to notify the following people within 24hrs when a routine or repeat sample is positive for total coliform or E. coli.

- | | |
|---------------------------|-----------------|
| 1. <u>Lynn Elliott</u> | <u>663-2193</u> |
| (Name) | (Phone) |
| 2. <u>Wayne Rodrigues</u> | <u>663-5318</u> |
| (Name) | (Phone) |

The water system is required to notify the MCHD, EHB within 24hrs when a repeat sample is total coliform positive, or when a routine sample is positive for E. coli.

- | | | |
|--|-----------------|--------------|
| 1. Environmental Health Specialist | D. Pinata | 831-755-8923 |
| 2. Supervising Environmental Health Specialist | Cheryl Sandoval | 831-755-4552 |
| 3. Drinking Water Protection Services | Main Office | 831-755-4507 |

Map of System:

A map of the distribution system showing the source (well, ~~spring~~, etc.), storage tanks, ~~treatment facilities~~, distribution piping, routine sample locations, and follow-up (repeat) sample locations is required. Have you enclosed this map?

☒ YES (on file MCHD) ☐ NO

BACTERIOLOGICAL SAMPLE SITING PLAN (cont.)

The following describes each routine sample location, what months the location will be sampled, and where repeat samples will be taken in the event of a positive routine sample: **Routine Samples are to be taken within the distribution system and not at sources or tanks.** A routine sample site must be designated for each pressure zone or separate area served by the water system. The routine sample sites must be rotated such that they are all sampled on a regular basis. A system with only one pressure zone and main (no branches) may designate only one routine site.

Routine Sample Location:

1. 9840 Rolling Meadows Ln. (RML)

(location name or address)

Description: outside tap

(hose bib, outside tap, sample tap, etc.)

Water samples from this site will be collected:

(Please Circle Months)

January	February	March
April	May	June
July	August	September
October	November	December

Repeat Sample Location: (Chlorine residual required)

Per the Groundwater Rule, each source must be sampled (groundwater sources only). Only one source sample can count towards the **four repeat** sample sites.

1. 9840 RML

(original positive sample location)

2. 9825 RML well sample tap

(source or location name or address up-stream)

3. 9810 RML

(tank or location name or address down-stream)

4. 9800 RML

(location name or address)

5. N/A

(all other active wells)

Routine Sample Location:

2. 9845 Rolling Meadows Ln.

(location name or address)

Description: outside tap

(hose bib, outside tap, sample tap, etc.)

Water samples from this site will be collected:

(Please Circle Months)

January	February	March
April	May	June
July	August	September
October	November	December

Repeat Sample Location: (Chlorine residual required)

1. 9845 RML

(original positive sample location)

2. 9825 RML well sample tap

(source or location name or address up-stream)

3. 9810 RML

(tank or location name or address down-stream)

4. 9840 RML

(location name or address)

5. N/A

(all other active wells)

Routine Sample Location:

3. 9810 Rolling Meadows Ln

(location name or address)

Description: outside tap

(hose bib, outside tap, sample tap, etc.)

Water samples from this site will be collected:

(Please Circle Months)

January	February	March
April	May	June
July	August	September
October	November	December

Repeat Sample Location: (Chlorine residual required)

1. 9810 RML

(original positive sample location)

2. 9825 RML well sample tap

(source or location name or address up-stream)

3. 9840 RML

(tank or location name or address down-stream)

4. 9800 RML

(location name or address)

5. N/A

(all other active wells)

Routine Sample Location:

4. 9800 Rolling Meadows Ln
(location name or address)

Description: outside tap
(hose bib, outside tap, sample tap etc.)

Water samples from this site will be collected:
(Please Circle Months)

January	February	March
<u>April</u>	May	June
July	<u>August</u>	September
October	November	<u>December</u>

Repeat Sample Location: (Chlorine residual required)

1. 9800 RML
(original positive sample location)

2. 9825 RML well sample tap
(source or location name or address up-stream)

3. 9840 RML
(tank or location name or address down-stream)

4. 9810 RML
(location name or address)

5. N/A
(all other active wells)

Five Follow-Up Routine Sample Locations:

The following identifies and describes each of the five routine samples to be collected in the month following a positive sample unless waived by the MCHD, EHB.

Routine Sample Location:

1. 9810 Rolling Meadows Ln. (RML)
(location name or address)

Description: outside tap -driveway near garage
(hose bib, outside tap, sample tap etc.)

2. 9825 RML
(source)

Description: well sample tap
(hose bib, sample tap, etc.)

3. 9845 RML
(location name or address up-stream)

Description: outside tap -S/E corner house
(hose bib, outside tap, sample tap, etc.)

4. 9840 RML
(tank or location name or address down-stream)

Description: outside tap -driveway near garage
(hose bib, sample tap, etc.)

5. 9800 RML
(location name or address)

Description: outside tap
(hose bib, outside tap, sample tap, etc.)

Report Prepared by: Lynn Elliott

Signature and Title: M. Lynn Elliott RMHA Secretary/Treas. Date: 1/10/15